



Welcome to Today's Webinar!

Substance Abuse Prevention in Schools

This event will start at 11:00 am EDT.



Safe and Supportive Schools
Engagement | Safety | Environment

Welcome to Today's Webinar



Audio Information
Dial: 888-790-3166

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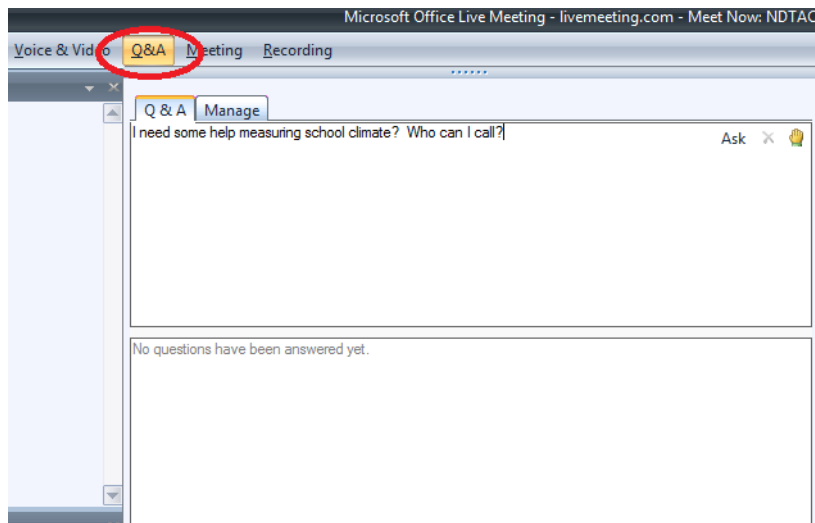
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Questions, Event Evaluation & Contact Information



Q&A



If you have a question for the presenters, please type it in the Q & A Pane or email sssta@air.org during the Webinar.

Evaluation



Safe and Supportive Schools
Engagement | Safety | Environment

Participant Feedback

Establishing Supportive Relationships between Teachers, Staff, Students and Families
Wednesday, February 17, 2011

Please provide us with your feedback on today's Webinar by answering the questions below. The form should only take a few minutes to complete and all responses will be completely anonymous. Your participation is voluntary.

* 1. My role can best be described as (please check as many as apply):

- | | | |
|--|--|-----------------------------------|
| <input type="checkbox"/> Community Member | <input type="checkbox"/> School/District Administrator | <input type="checkbox"/> Teachers |
| <input type="checkbox"/> Family Member | <input type="checkbox"/> State Administrator | |
| <input type="checkbox"/> School Support Staff Member | <input type="checkbox"/> Student | |

An event evaluation will appear as the last slide in the presentation. Please input your answers *directly* into the slide. All answers are *completely anonymous* and are not visible to other participants.

For assistance during the Webinar,
please contact the Safe and Supportive Schools Technical
Assistance Center at sssta@air.org.



The Safe and Supportive Schools Technical Assistance Center




- Funded by the U.S. Department of Education's Office of Safe and Healthy Students.
- Provides training and support to states, including 11 grantees funded under the Safe and Supportive Schools Program and other state administrators; administrators of districts and schools; teachers; support staff at schools; communities and families; and students.
- Goal is to improve schools' conditions for learning through measurement and program implementation, so that all students have the opportunity to realize academic success in safe and supportive environments.

*The content of this presentation was prepared under a contract from the U.S. Department of Education, Office of Safe and Healthy Students to the American Institutes for Research (AIR). This presentation does not necessarily represent the policy or views of the U.S. Department of Education, nor do they imply endorsement by the U.S. Department of Education.

Safe and Supportive Schools Website



<http://safesupportiveschools.ed.gov>



Safe and Supportive Schools

Engagement | Safety | Environment

- Home
- Technical Assistance
- Events
- Topics & Research
- States & Grantees
- News
- About


Springboard

Roles

- School/District Administrators
- Teachers
- School Support Staff
- State Administrators
- Community & Family

Topics

- Engagement
- Environment
- Safety
- School Climate Measurement



Creating a Safe and Respectful Environment on Our Nation's School Buses

Technical Assistance

Need help improving the conditions for learning in your school, district, or state? [Get Help](#)

Upcoming Events

School Climate Webinar Series: Substance Abuse Prevention
October 12, 4:00 pm - 5:00 pm ET
October 13, 11:00 am - 12:30 pm ET
[Learn More](#)

Survey Webinar Series: Evaluating the Reliability of Surveys and Assessments
October 25, 4:00 pm - 5:00 pm ET
October 26, 11:00 am - 12:30 pm ET
[Learn More](#)

Research

The Administration for Children and Families (ACF) has released a report highlighting what is known broadly about the needs, circumstances, and outcomes for at-risk youth. [Full report](#)

The Centers for Disease Control and Prevention's (CDC) Division of Adolescent and School Health (DASH) has released a new report on the 2010 School Health Profiles survey results. [Full report](#)


News Clips

October 05, 2011

Study Finds Minority Students Get Harsher Punishments
A new report finds that African-American and Hispanic students are suspended or expelled more often than white students—even for minor offenses.

State in Focus

Arizona
In September 2011, staff of the Arizona Department of Education (ADE) and the University of Arizona (UALinks) will conduct a three-day Student Assistance Program (SAP) Training for Coordinators. The calendar of activities can be found on the [S3AZ Website](#).



Partner Highlights

U.S. ED Launches a New Website to Commemorate the 10th Anniversary of September 11, 2001
September 01, 2011
A new website is now available from the U.S. Department of Education with 9/11 Materials for Teachers. This new website presents a set of resource materials focused on the anniversary of 9/11, which were developed under federal grants supported by...

[Full post](#) | [All posts](#)



Which of the following best describes your current role?

- ☐ State Education Personnel
- ☐ District or School Administrator
- ☐ Teacher or School Support Staff
- ☐ Community or Family Representative
- ☐ Researcher
- ☐ Federal Employee
- ☐ Other



Which of the following best describes the PRIMARY reason you chose to participate in today's session?

- ☐ You are responsible for providing leadership on substance abuse prevention and are looking for information to inform your practice.
- ☐ You are gathering practical information and strategies on substance abuse prevention to teach to, or share with, colleagues.
- ☐ You are gathering information to inform your own professional practice in substance abuse prevention.
- ☐ More than one of the above.



Effective Substance Use Prevention in Schools

Dr. William B. Hansen, Tanglewood Research,
Greensboro, NC



Safe and Supportive Schools
Engagement | Safety | Environment

Objectives for today's session



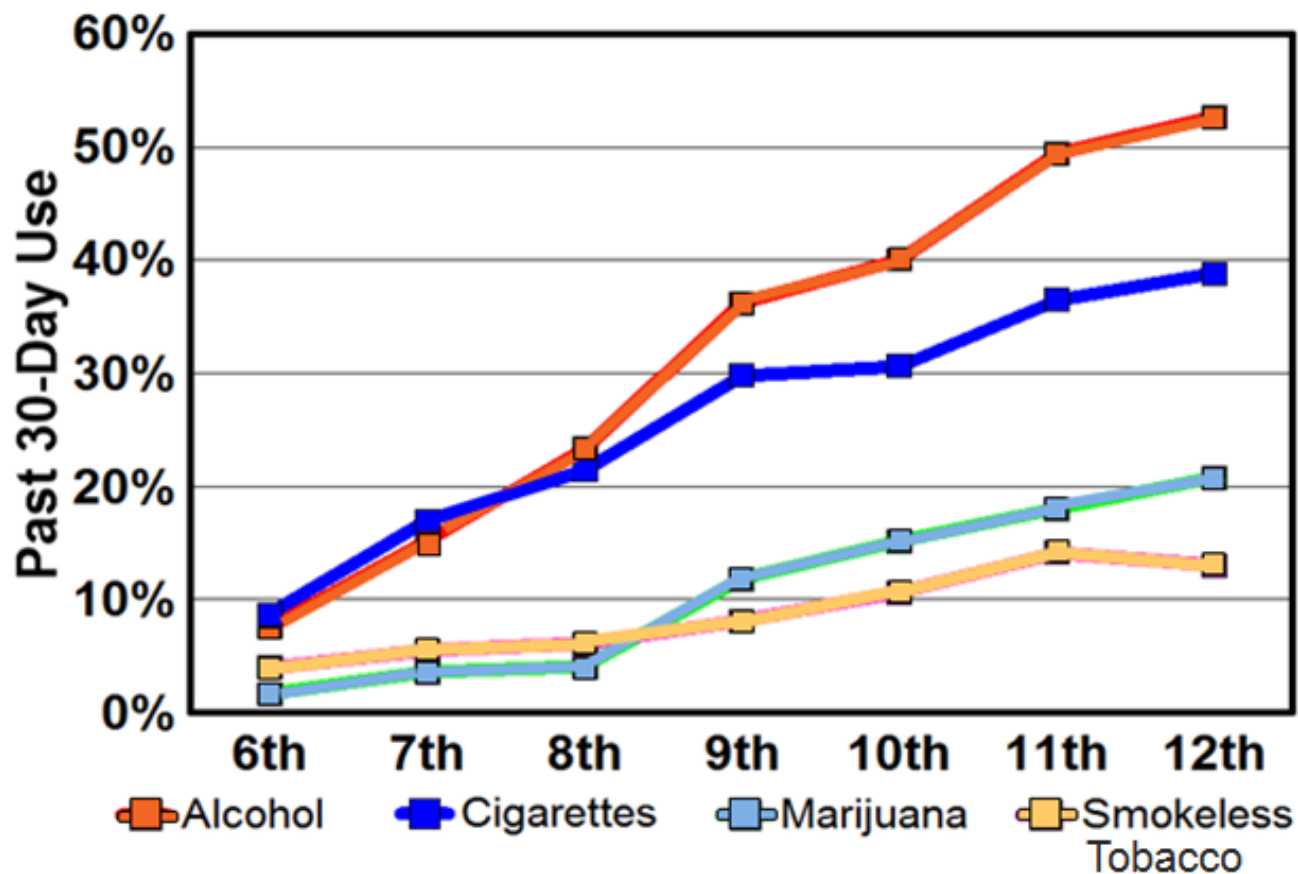
1 Explore current trends in substance use among American youth.

2 Review the latest evidence on effective prevention practices.

3 Identify strategies for strengthening current practice in substance abuse prevention.

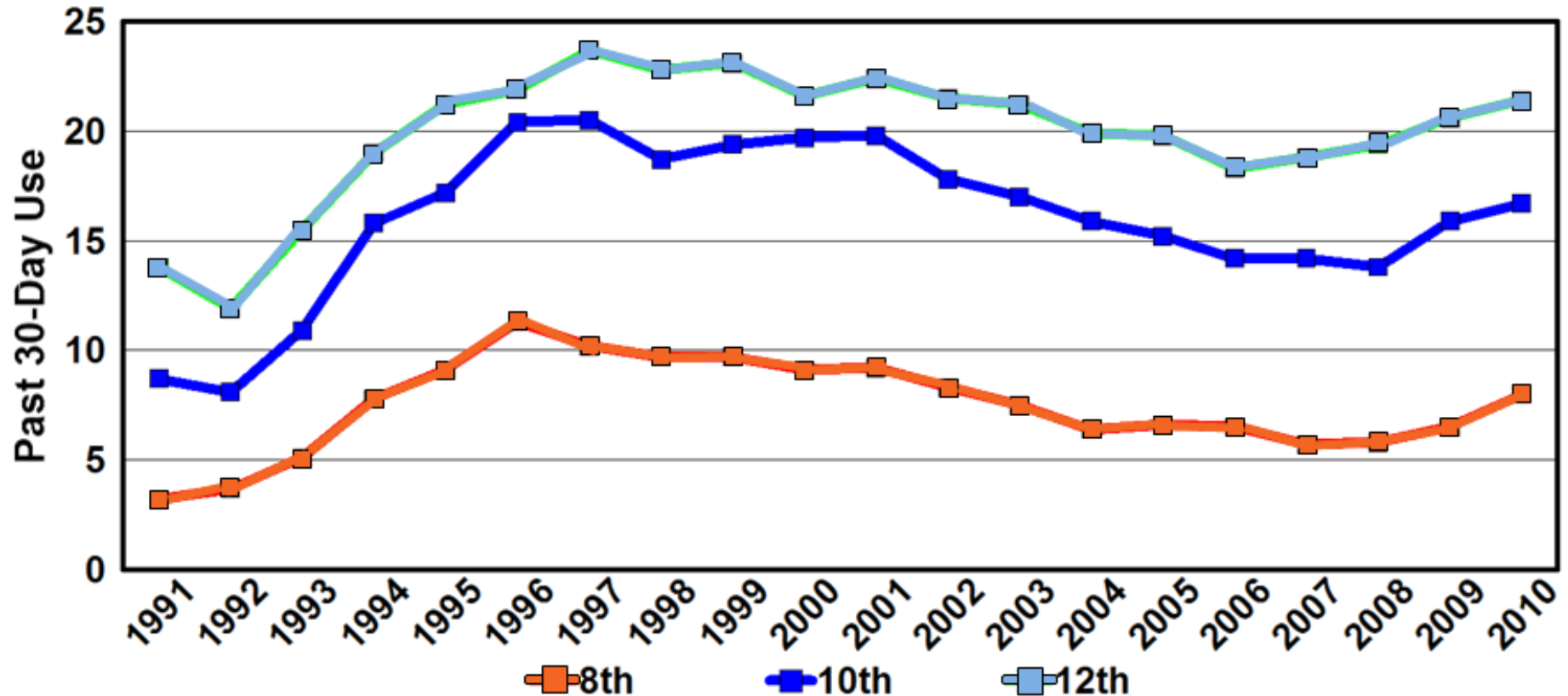


Rate of substance use by grade





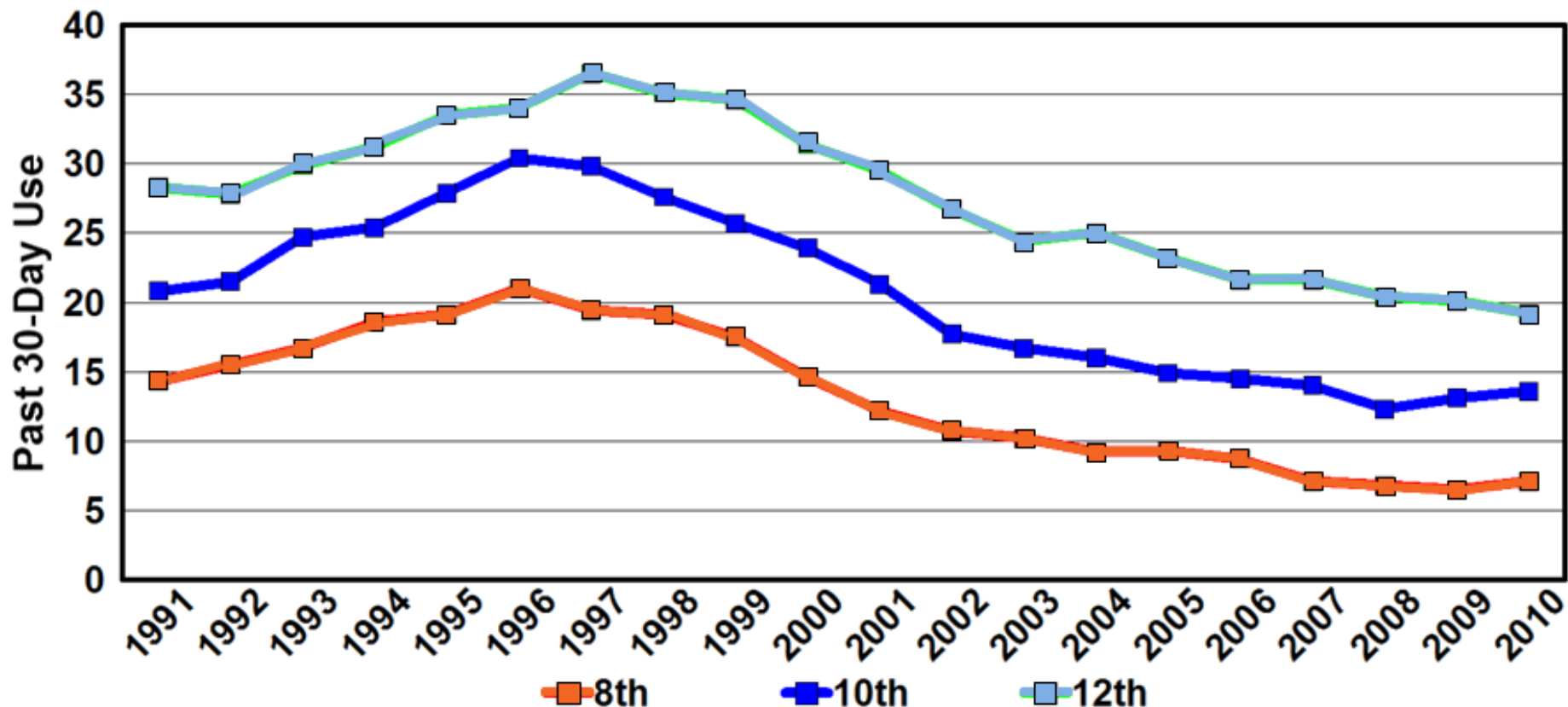
Marijuana use by year



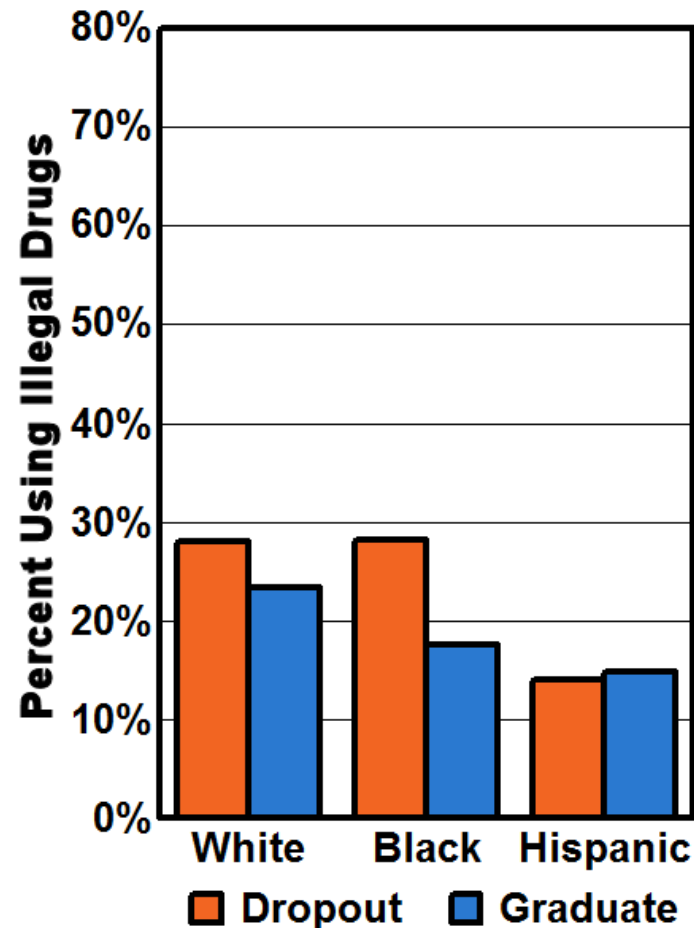
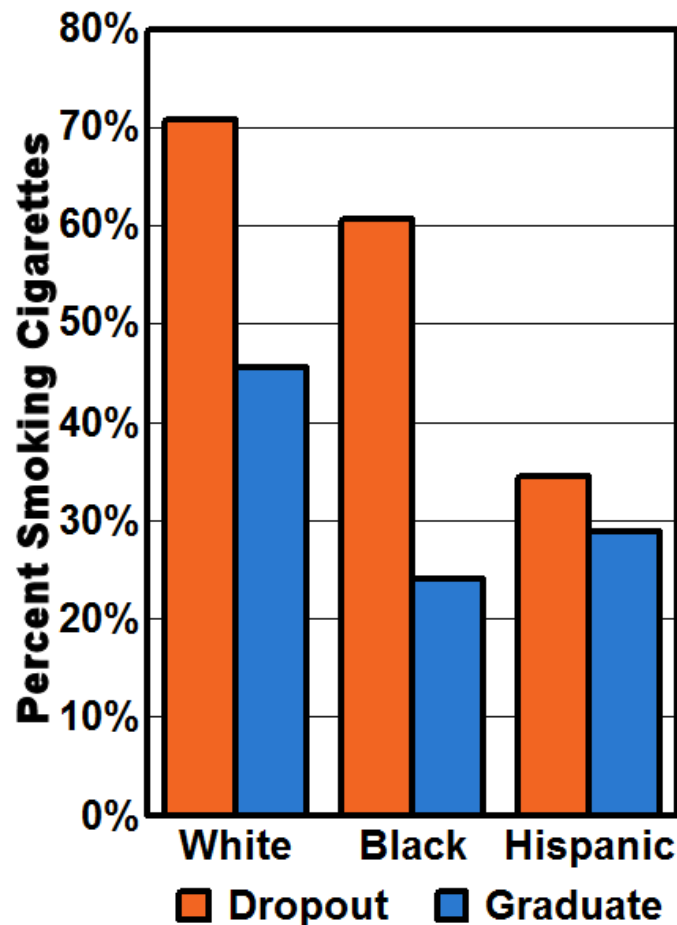
Trends in Cigarette Use



Cigarette use by year



Substance Use Among Dropouts





Which type of substance abuse is of GREATEST concern to you and your staff for the students in your school(s)?

- ☐ Tobacco
- ☐ Alcohol
- ☐ Marijuana
- ☐ Inhalants
- ☐ Prescription/over-the-counter drugs
- ☐ Other Drugs
- ☐ More than one of the above





What do these findings tell us?

- Substance use prior to middle school is rare.
- Beginning in middle school, the prevalence of commonly used substances (alcohol, tobacco, marijuana, prescription and over-the-counter drugs) increases dramatically.
- Prevalence continues to increase throughout middle school and high school.
- The intensity of use also increases.
- Cigarette smoking is at its lowest level in over 30 years.
- Alcohol continues to be the most widely used substance.
- Marijuana use is on the increase and is now more prevalent than smoking cigarettes.





What are the practical implications of these findings?

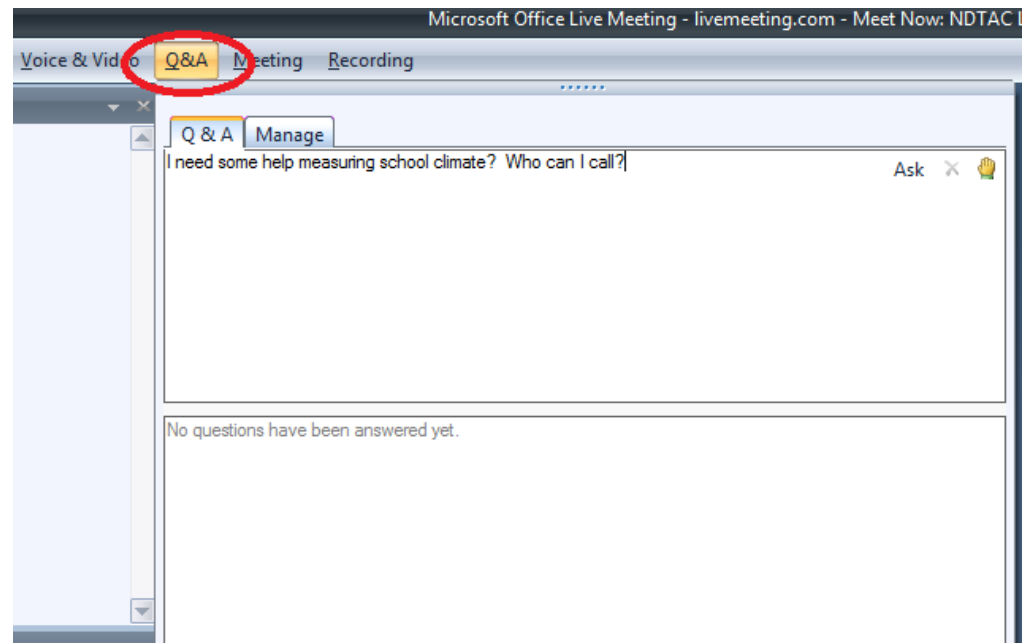
- Substance use affects students' motivation and ability to learn.
- Substance use changes the culture and climate of a school.
- Prevention may be most appropriately timed to begin in middle school.
- Prevention should continue throughout the middle school years and continue in high school.
- With limited dollars and time, schools should adopt the most cost-beneficial strategies.



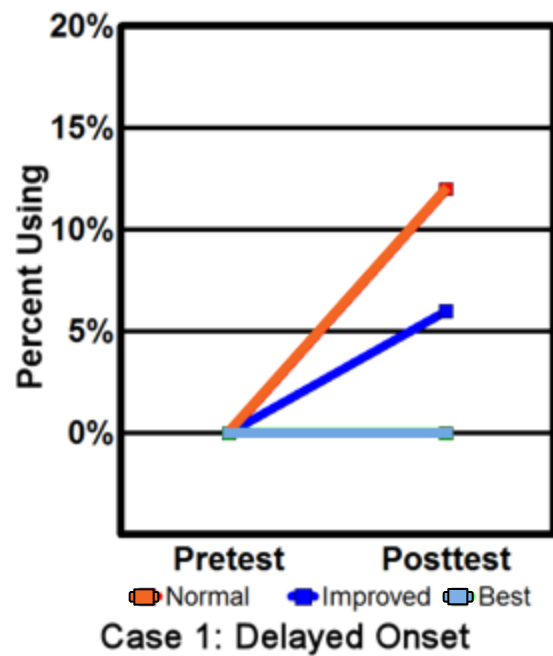
Questions?



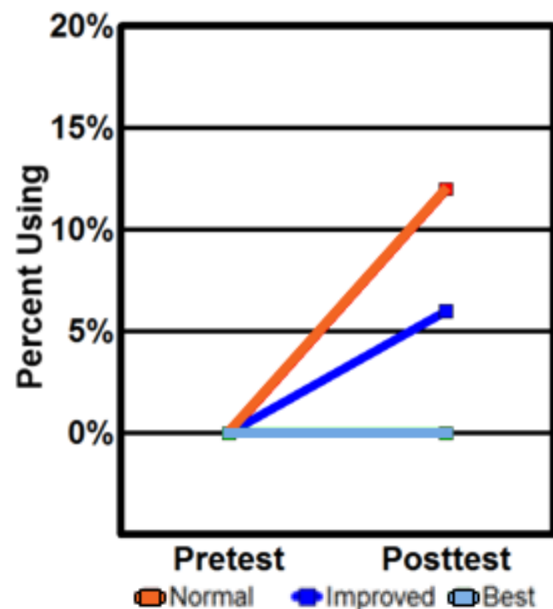
If you have a question for the presenter, please type it in the Q & A Pane or email sssta@air.org.



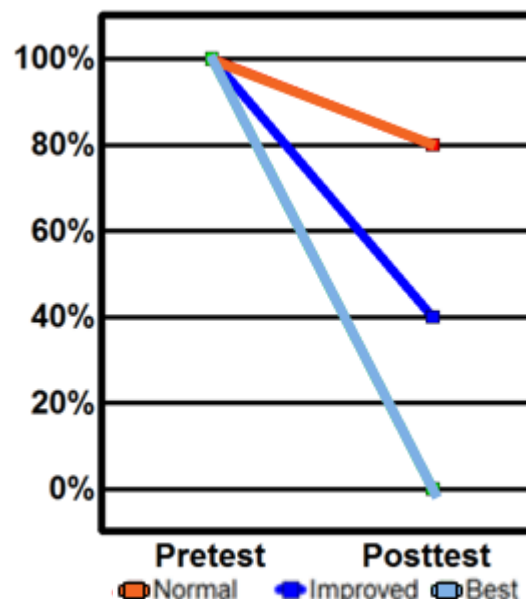
Three Goals of Substance Use Prevention



Three Goals of Substance Use Prevention



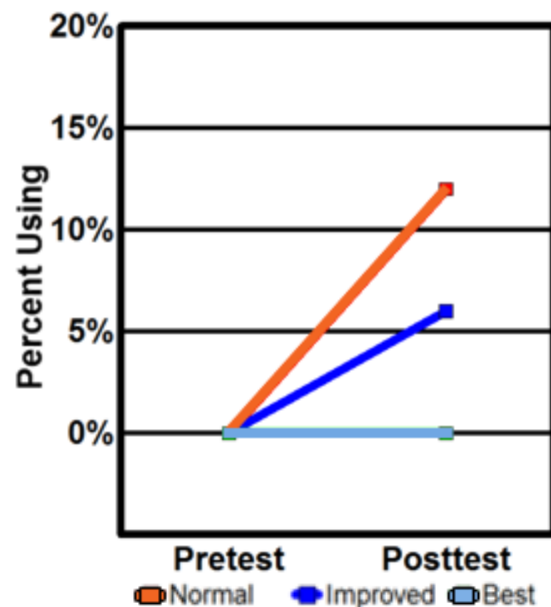
Case 1: Delayed Onset



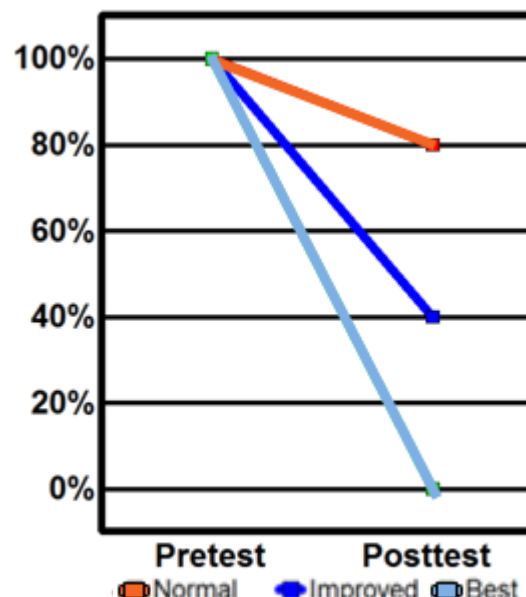
Case 2: Quitting



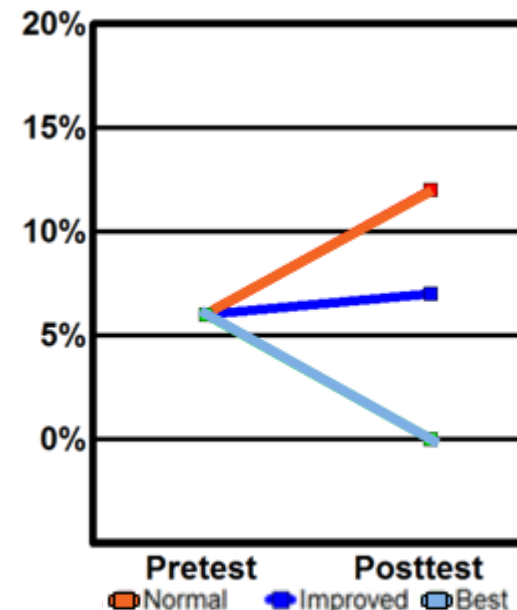
Three Goals of Substance Use Prevention



Case 1: Delayed Onset



Case 2: Quitting



Case 3: Change in Prevalence



How Prevention Interventions Work



Substance use prevention programs work by changing modifiable risk and protective factors – **mediators**.



How Prevention Interventions Work



Substance use prevention programs are characterized by their mediators.

Mediator	Program	All Stars Core	Keepin' It REAL	Life Skills Training	Positive Action	Project ALERT	Quest
Anger Management					✓		✓
Attitudes About Use		✓		✓		✓	
Beliefs about Consequences		✓	✓	✓	✓	✓	✓
Bonding to School		✓					✓
Commitment to Not Use Substances		✓					✓
Communication Skills			✓	✓			✓
Decision Making Skills			✓	✓	✓		✓
Goal Setting Skills		✓		✓	✓		✓
Non-Use Norm		✓		✓		✓	✓
Parental Monitoring		✓					
Resistance Skills			✓	✓	✓	✓	✓
Social Skills				✓	✓		✓
Stress Management				✓	✓		✓
Values		✓			✓		



How Prevention Interventions Work



Two Types of Mediators

Skills

- Anger Management
- Communication
- Decision Making
- Goal Setting
- Resist Peer Pressure
- Social Skills
- Stress Management

Motivators

- Attitudes about Use
- Beliefs about Consequences
- Bonding to School
- Commitment to Not Use
- Non-use Norms
- Parental Monitoring
- Values



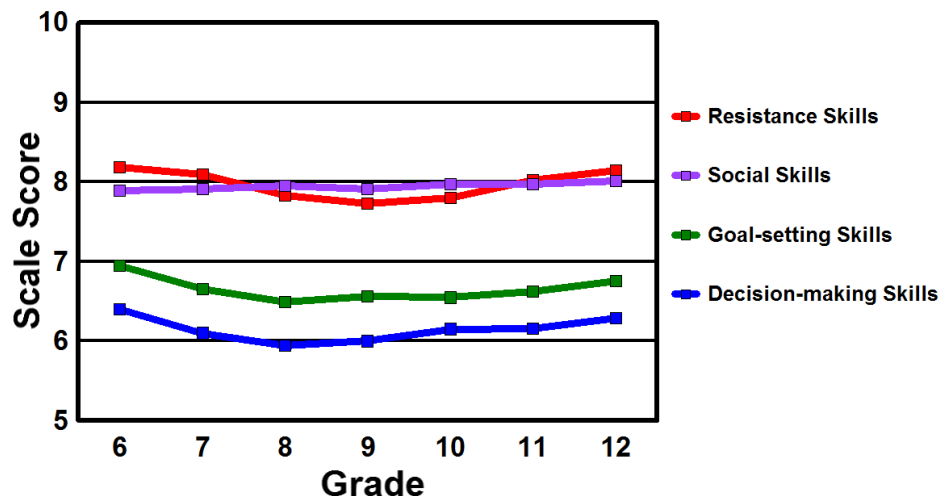


Which mediators are you most comfortable addressing in school-based substance abuse prevention programs?

- ☐ Skills
- ☐ Motivators
- ☐ Both equally
- ☐ Uncertain

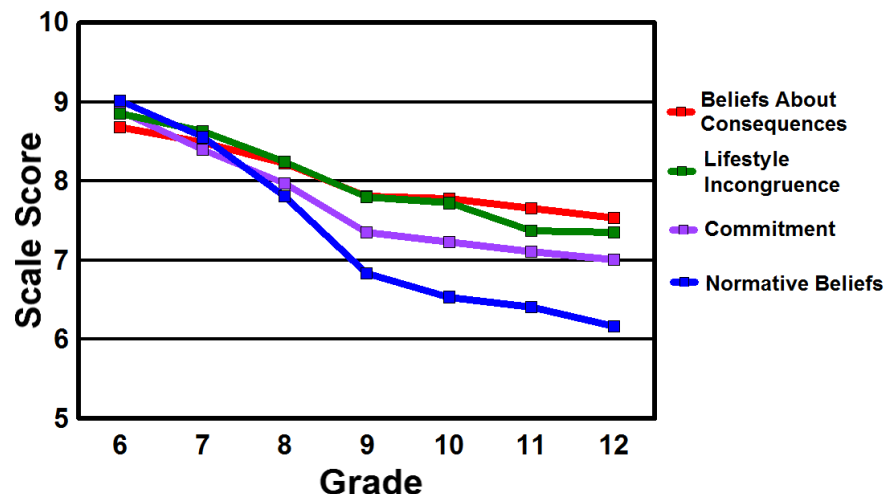


Characteristic Changes in Mediators



Skills

- Skills change very little as students grow older



Motivators

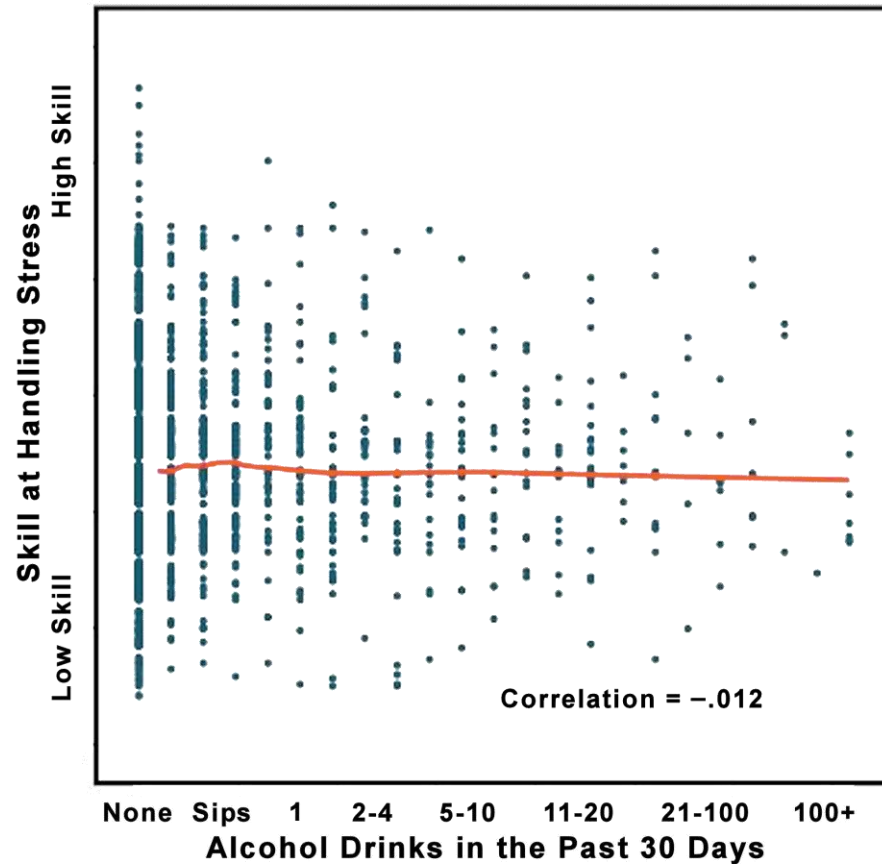
- Motivational qualities tend to erode as students grow older



How Prevention Interventions Work



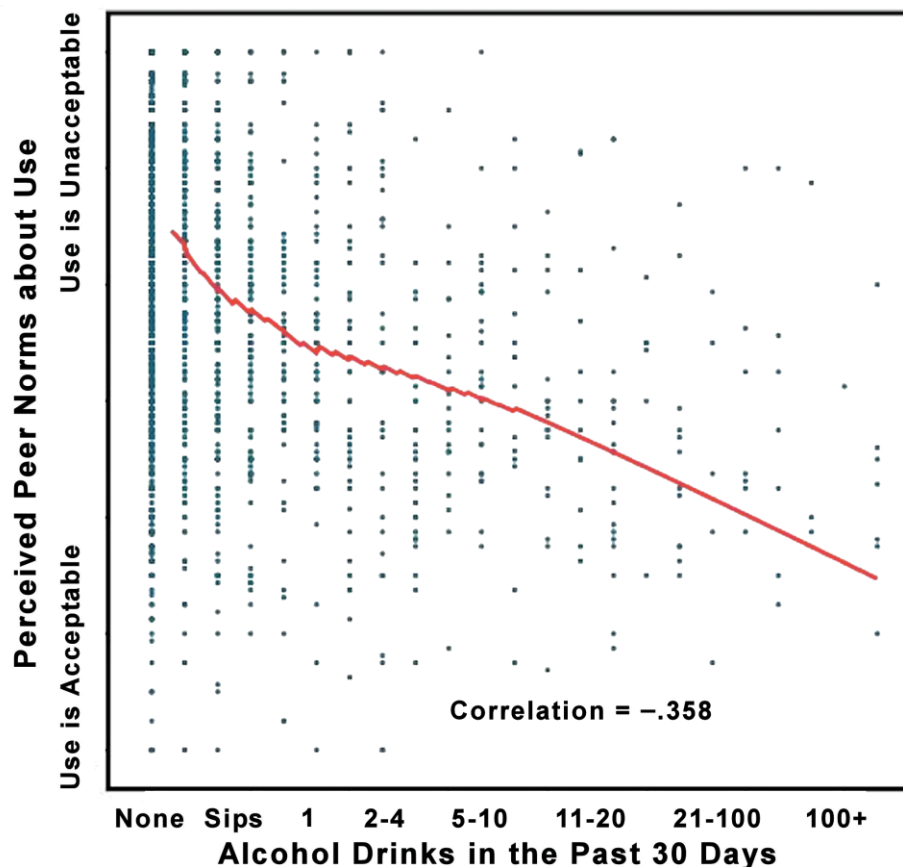
Skills are generally poor predictors of substance use.



How Prevention Interventions Work



Motivators are generally good predictors of substance use.

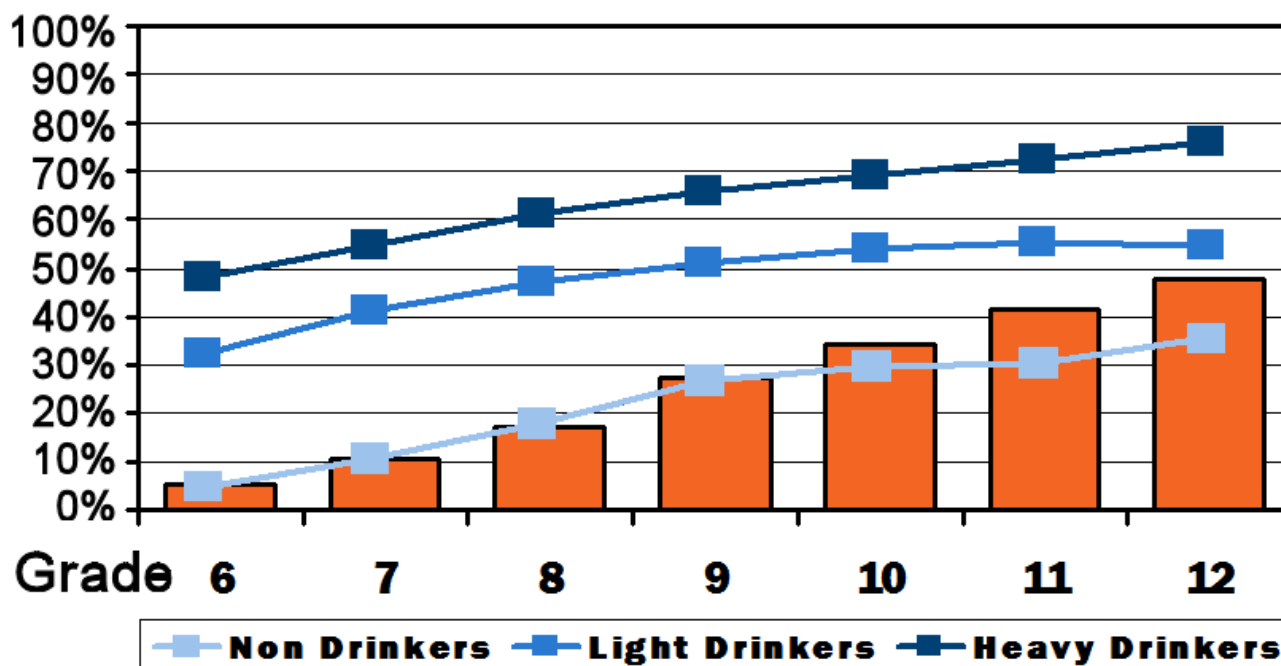


How Prevention Interventions Work



A belief that use is normal develops early among those who use.

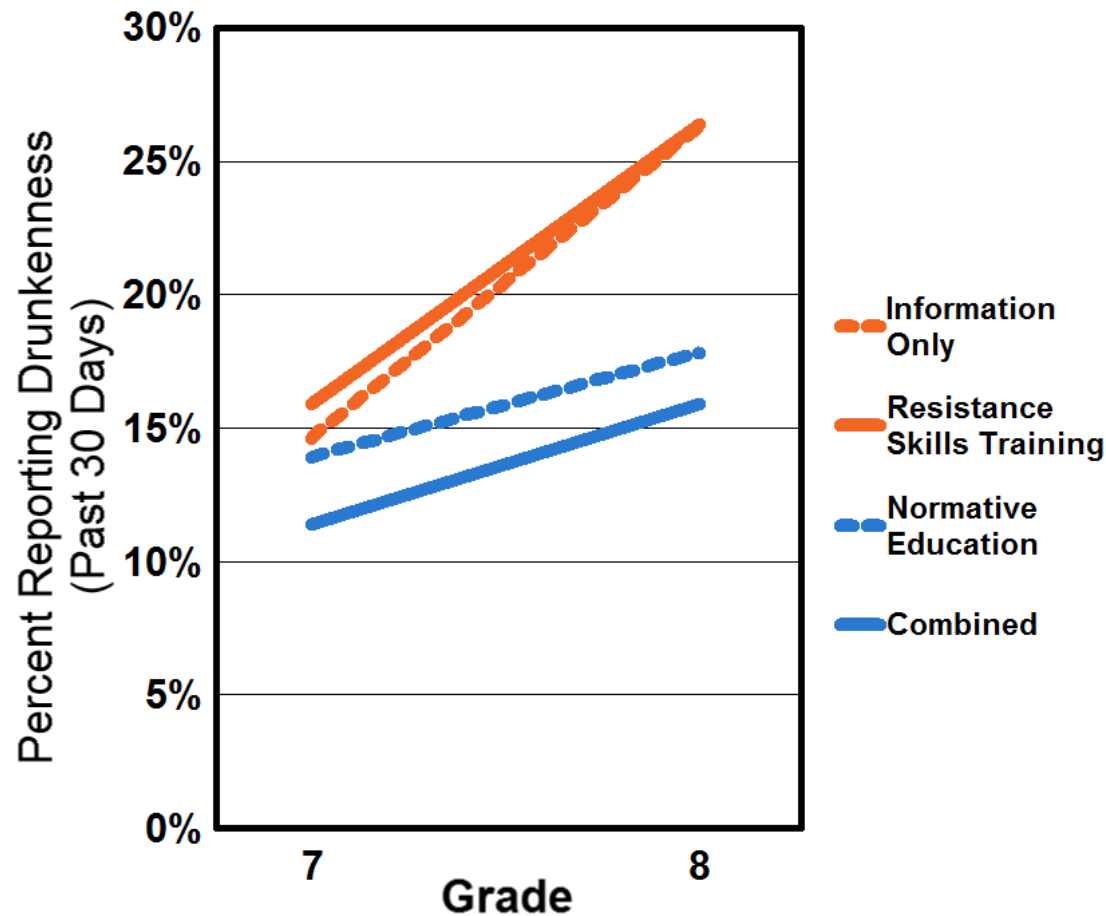
Estimates of Peer Group Prevalence



How Prevention Interventions Work



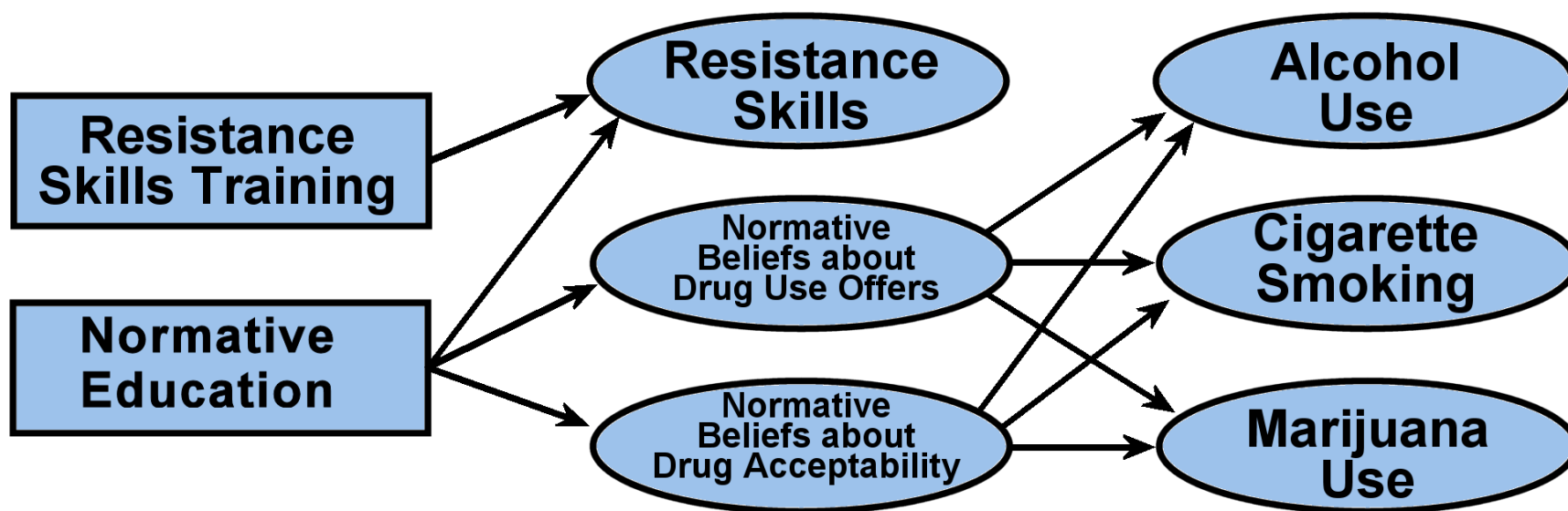
Results of Four Interventions



How Prevention Interventions Work



Normative Education drug prevention outcomes were achieved by changing normative beliefs.





What does research on mediators mean?

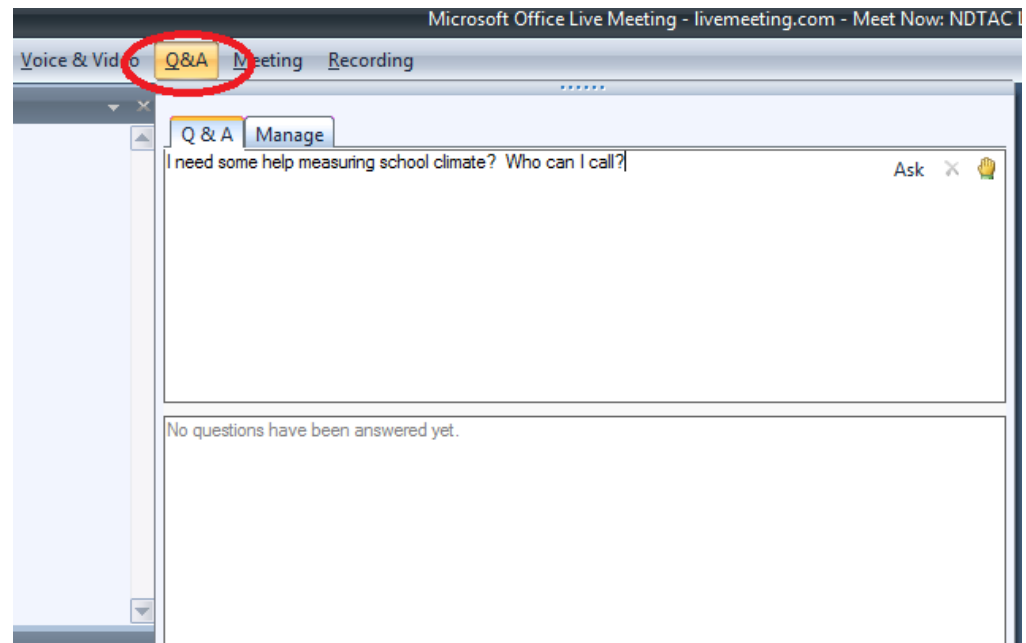
- **Motivators are the most reliable predictors of substance use.**
 - Attitudes about Use
 - Beliefs about Consequences
 - Bonding to School
 - Commitment to Not Use
 - Non-use Norms
 - Parental Monitoring
 - Values
- **Changing motivators should be the primary focus of intervention.**
- **Skills are generally poor predictors of substance use.**
- **Improving skills should be a secondary focus of intervention.**



Questions?



If you have a question for the presenter, please type it in the Q & A Pane or email sssta@air.org.







Which stage of the strategic planning model is your school currently focused on?

- ☐ Assessing substance abuse programs for implementation
- ☐ Deciding between programs already assessed
- ☐ Training staff in implementation
- ☐ Implementing the program(s)
- ☐ Evaluating current program(s) for effectiveness





Practical Strategies

- **Assess your current status:**
 - What do students need?
 - What programs exist?
 - Are existing programs effective?
 - What policies exist?
 - Are existing policies effective?
 - Do you have data to determine program and policy effectiveness?

Assess





Practical Strategies

- **Decide what to do:**
 - Adopt an evidence-based program
 - Change to a new program
 - Develop your own intervention
 - Improve implementation
 - Get broad support

Decide



How Prevention Interventions Work



There are two approaches to intervention.

Evidence-Based Programs

- Theoretical & empirical support
- Quality materials
- Training and support
- A wide-variety available
- Pretest-posttest surveys
- Fidelity assessments

Locally-Developed Programs

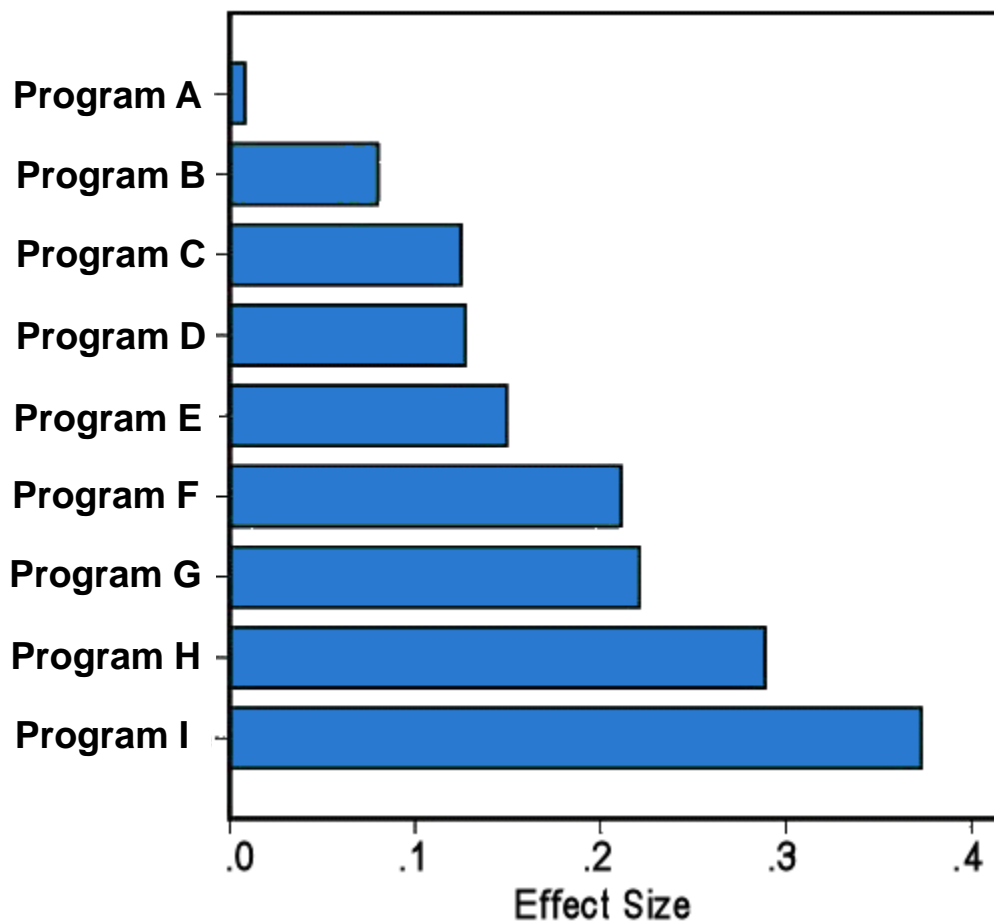
- Evidence-based programs don't address all needs
- May capitalize on insights about local issues
- May target mediators better than packaged programs



Strategies for Strengthening Practice

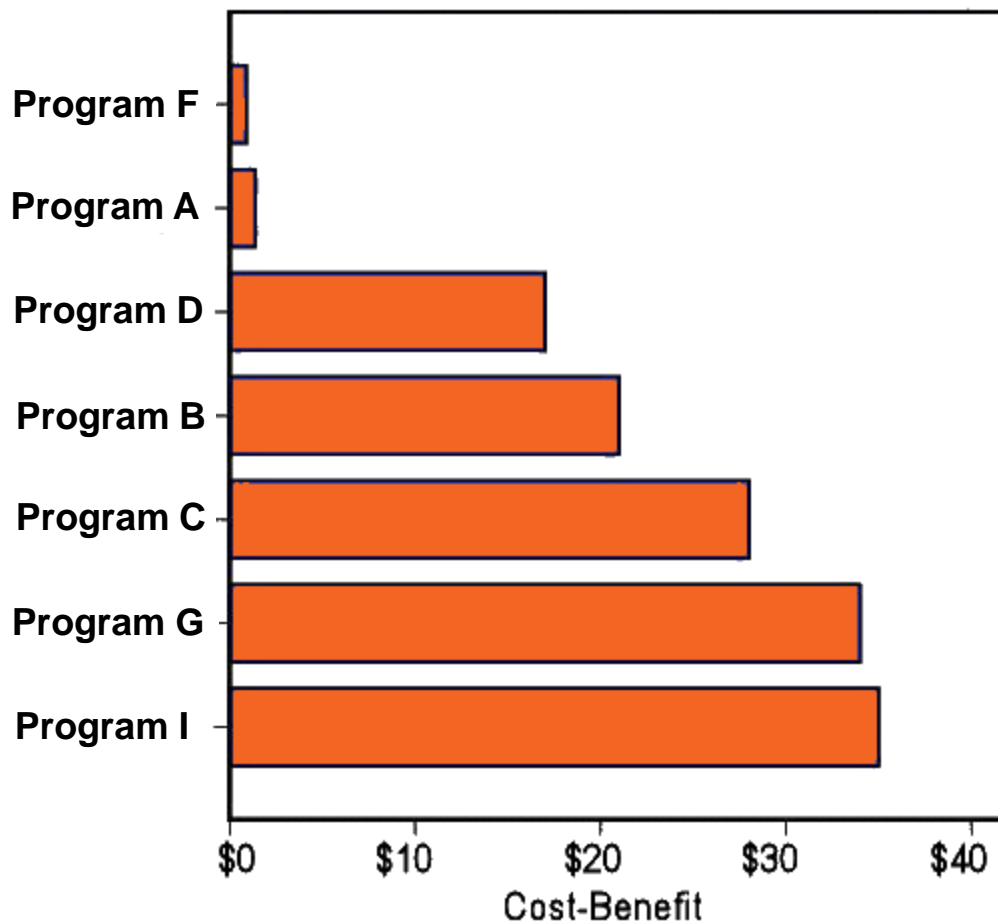


Programs differ in their effectiveness.





Programs differ in their estimated cost-benefit.





Practical Strategies

- **Get Training:**
 - Enroll in introductory and refresher trainings
 - Define roles for all staff
 - Develop a plan for mastery
 - Complete additional personal study

Train





Practical Strategies

- **Implement well:**
 - Teach programs with fidelity
 - Implement policies faithfully

Implement





Fidelity and Quality of Implementation

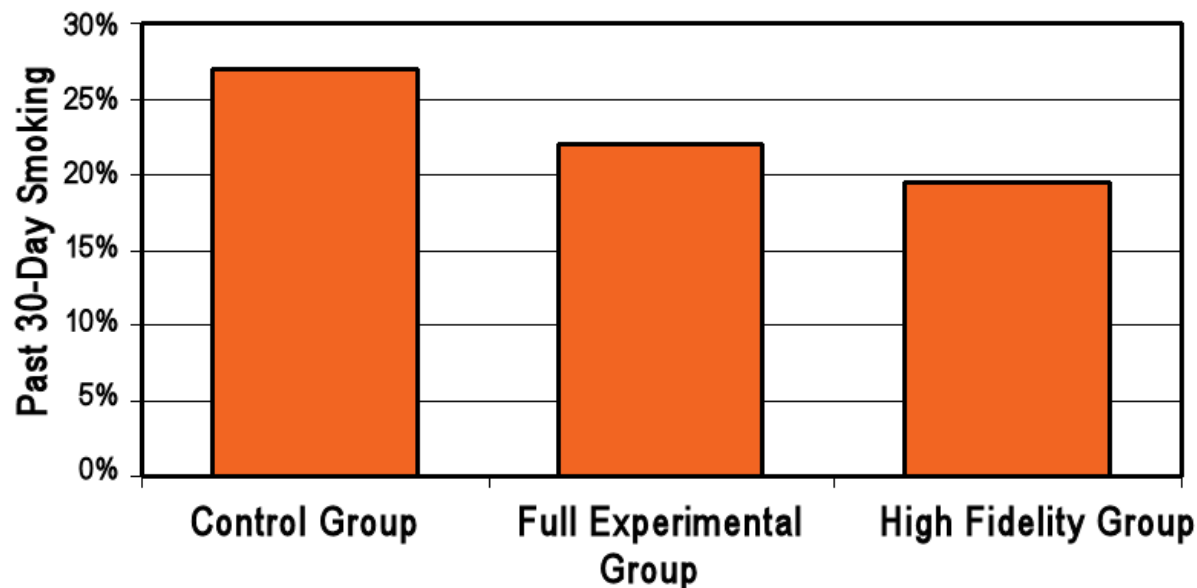
High fidelity is achieved when:

- Protocol is followed
- Delivery is complete
- Student-centered objectives are fulfilled
- Students are actively engaged and involved
- Teachers teach with skill and understanding
- Adaptations are minimized





The effects of high fidelity





Adaptation Study

- 9 teachers delivered All Stars Core
- 3 consecutive years of teaching (total of 27 classes)
- Each teacher videotaped all lessons (total of 325 lessons)
- Pairs of observers
 - Rated fidelity
 - Documented adaptations
 - Rated adaptations (Valence)





Adaptation refers to changes teachers introduce when they deliver a program.

Changes in Methods

- How things are done
- Instructions given to students
- New steps and activities
- Added or altered questions
- Added examples and personal stories

Changes in Messages

- Messages about attitudes or norm not called for
- Motivational messages
- Messages teaching new skills
- Messages introducing new concepts





Adaptation refers to changes teachers introduce when they deliver a program.

Changes in Methods

- How things are done
- Instructions given to students
- New steps and activities
- Added or altered questions
- Added examples and personal stories

Average = 4.9 per lesson
Minimum = 1.9 per lesson
Maximum = 9.1 per lesson

Changes in Messages

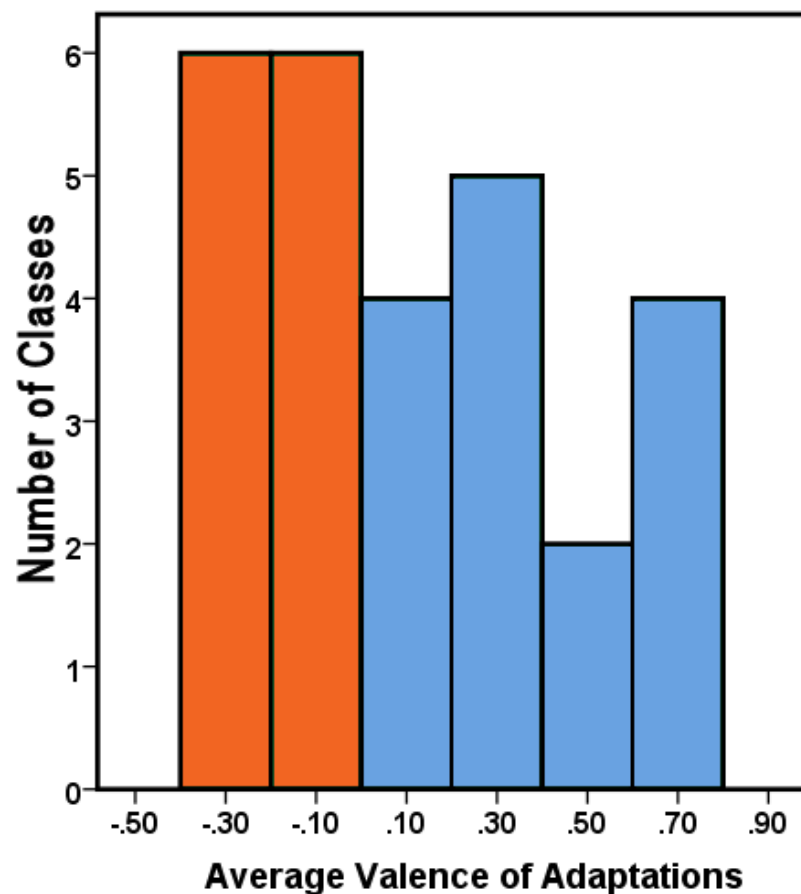
- Messages about attitudes or norm not called for
- Motivational messages
- Messages teaching new skills
- Messages introducing new concepts

Average = 1.0 per lesson
Minimum = 0.1 per lesson
Maximum = 2.5 per lesson





How adaptations were judged in 27 classes





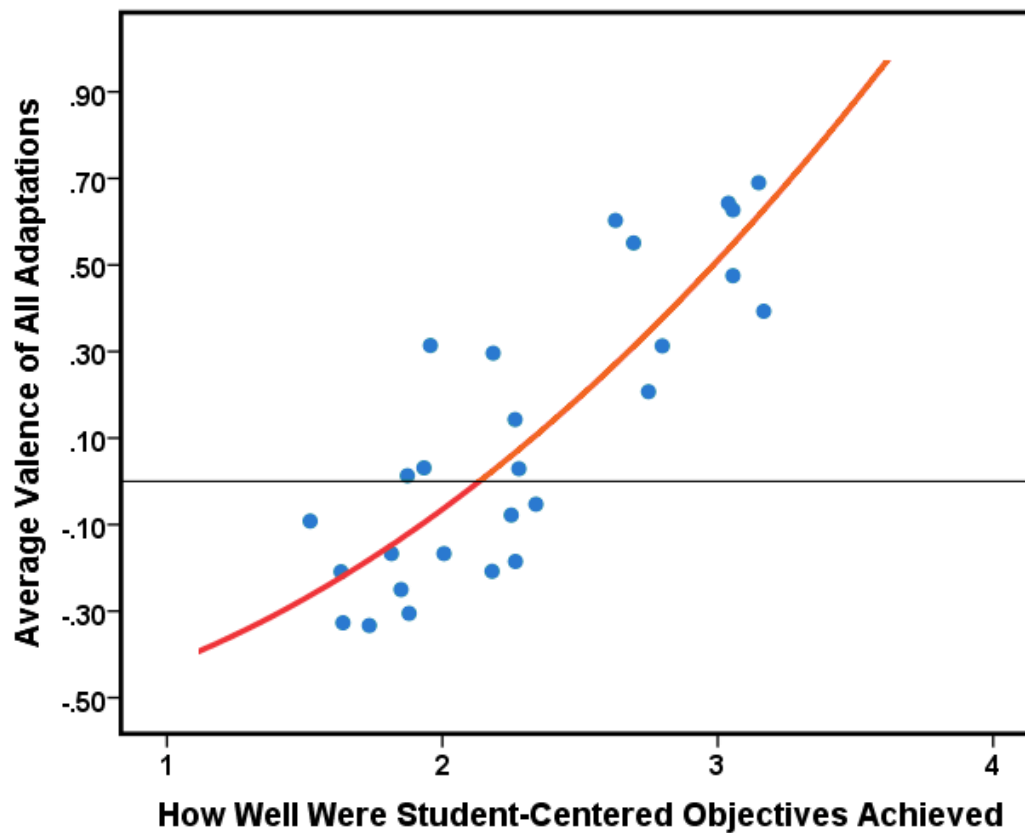
Classrooms in which teachers made few but positive adaptations resulted in superior outcomes.

Group	Classrooms	Percent of Students Who Remained as Non-Users
Frequent-Negative Adapters	7	60%
Frequent-Positive Adapters	6	52%
Infrequent-Negative Adapters	5	56%
Infrequent-Positive Adapters	9	80%





The relationship between adaptation valence and objectives





Practical Strategies

- **Evaluate effectiveness:**
 - Student pretest-posttest surveys
 - Teacher fidelity surveys
 - Record keeping related to policies

Evaluate





Student Pretest-Posttest Surveys

- **Standardized for evidence-based programs**
 - Assess targeted mediators
 - Asses targeted behaviors
- **Easy to administer**
 - 20 minutes for the pretest
 - 20 minutes for the posttest
- **Informed consent**
 - Required if illegal behaviors are assessed
 - Can be “opt out” if student’s identities cannot be linked with data





Assessing Fidelity

- **Standardized forms for evidence-based programs**
- **Teacher self-report**
- **Observer rating**
 - Live
 - Video recording

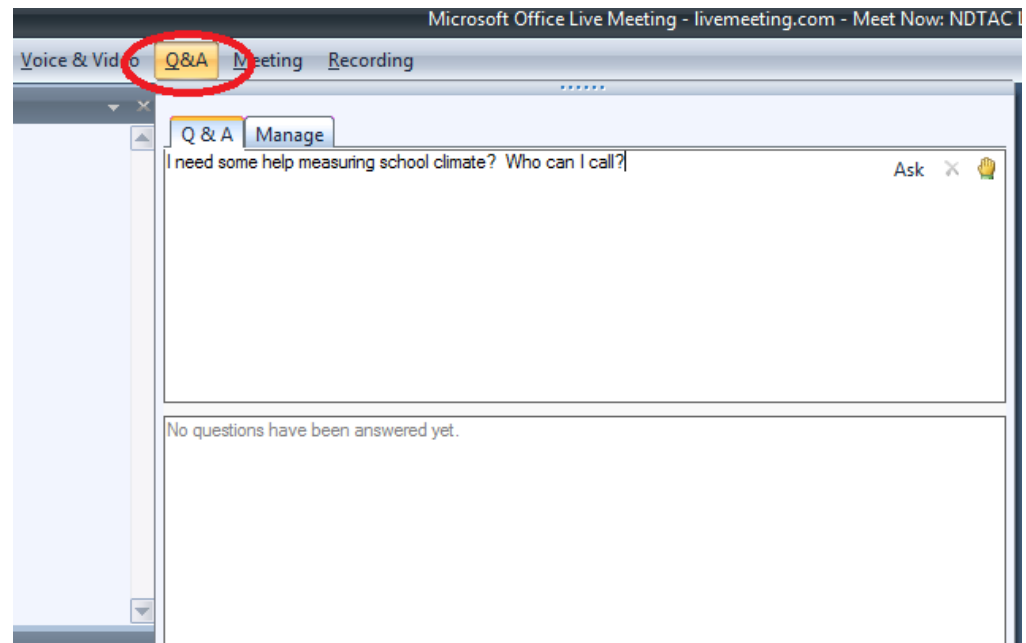




Questions?



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18. Shamblen, S.R., & Derzon, J.H. (2009). A preliminary study of the population-adjusted effectiveness of substance abuse prevention programming: Towards making IOM program types comparable. *The Journal of Primary Prevention*, 30(2), 89-107.
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- **Evaluating the Reliability of Surveys and Assessments**

October 25, 2011 4:00 pm – 5:30 pm ET

October 26, 2011 11:00 am – 12:30 pm ET

- The FY11 schedule of Safe and Supportive Schools TA Center Webinars will be posted as soon as it is available.

